wherein the parameter is divided into a plurality of sets and the sets of parameters are separately used depending on a situation of a pixel.

10.   (Currently Amended) ~~The image data processing apparatus according to any of claims 1 to 3,~~ An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image processing to be executed on image data;

a data saving unit which saves the image data and the parameter together with relating information;

a data acquiring unit which acquires the image data and the parameter by referring to the relating information; and

an image processing reproducing unit which obtains image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the data saving unit can partition a storage region as a hierarchical structure and the image data and the parameter are divided with the hierarchical structure.

11.   (Currently Amended) ~~The image data processing apparatus according to any of claims 1 to 3,~~ An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image processing to be executed on image data;

a data saving unit which saves the image data and the parameter together with relating information;

a data acquiring unit which acquires the image data and the parameter by referring to the relating information; and

an image processing reproducing unit which obtains image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the data saving unit relates and saves thumb nail data of the image data together with the parameter.

12. (Currently Amended) ~~The image data processing apparatus according to any of claims 1 to 3,~~ An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image processing to be executed on image data;

a data saving unit which saves the image data and the parameter together with relating information;

a data acquiring unit which acquires the image data and the parameter by referring to the relating information; and

an image processing reproducing unit which obtains image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the parameter setting unit sets contents of an image processing based on a result obtained by statistically analyzing the image data.

13-23 (canceled).

24. (Currently Amended) ~~The medium recording an image data processing program according to any of claims 16 to 18,~~ A medium recording an image data processing program for causing a computer to execute an image processing on image data, comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image processing to be executed on image data;

a data saving step of saving the image data and the parameter together with relating information;

a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

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an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the parameter is divided into a plurality of sets and the sets of parameters are separately used depending on a situation of a pixel.

25.   (Currently Amended) ~~The medium recording an image data processing program according to any of claims 16 to 18,~~ A medium recording an image data processing program for causing a computer to execute an image processing on image data, comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image processing to be executed on image data;

a data saving step of saving the image data and the parameter together with relating information;

a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the data saving step utilizes a storage region which can be partitioned as a hierarchical structure and the image data and the parameter are divided with the hierarchical structure.

26.   (Currently Amended) ~~The medium recording an image data processing program according to any of claims 16 to 18,~~ A medium recording an image data processing program for causing a computer to execute an image processing on image data, comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image processing to be executed on image data;

a data saving step of saving the image data and the parameter together with relating information;

a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the data saving step relates and saves thumb nail data of the image data together with the parameter.

27.   (Currently Amended) ~~The medium recording an image data processing program according to any of claims 16 to 18,~~ A medium recording an image data processing program for causing a computer to execute an image processing on image data, comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image processing to be executed on image data;

a data saving step of saving the image data and the parameter together with relating information;

a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the image data are read and written on a storage device differently from the parameter at the data saving step and the data acquiring step.

28-32 (canceled).

33.   (Currently Amended) ~~The image data processing method according to claim 30,~~ An image data processing method in which a parameter representing contents of a predetermined image processing to be executed on image data is set, the image data and the parameter are saved together with relating information, and the image data and the parameter are acquired by

referring to the relating information, and image data subjected to the specified image processing are obtained based on the acquired image data and parameter; wherein thumb nail data of the image data are related and saved together with the parameter.

34.   (Currently Amended) ~~The image data processing method according to any of claims 30 to 32,~~ An image data processing method in which a parameter representing contents of a predetermined image processing to be executed on image data is set, the image data and the parameter are saved together with relating information, and the image data and the parameter are acquired by referring to the relating information, and image data subjected to the specified image processing are obtained based on the acquired image data and parameter; wherein the image data are statistically analyzed and contents of an image processing are set based on a result of the analysis.

35-36. (canceled).

37.   (New) An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image processing to be executed on image data; and

a data saving unit which saves the image data and the parameter together with relating information;

wherein the parameter is divided into a plurality of sets and the sets of parameters are separately used depending on a situation of a pixel.

38.   (New) An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image processing to be executed on image data; and

a data saving unit which saves the image data and the parameter together with relating information;

wherein the data saving unit can partition a storage region as a hierarchical structure and the image data and the parameter are divided with the hierarchical structure.

39. (New) An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image processing to be executed on image data; and

a data saving unit which saves the image data and the parameter together with relating information;

wherein the data saving unit relates and saves thumb nail data of the image data together with the parameter.

40. (New) An image data processing apparatus comprising:

a parameter setting unit which sets a parameter representing contents of a predetermined image processing to be executed on image data; and

a data saving unit which saves the image data and the parameter together with relating information;

wherein the parameter setting unit sets contents of an image processing based on a result obtained by statistically analyzing the image data.

41. (New) An image data processing apparatus in which a parameter representing contents of a predetermined image processing to be executed on image data and the image data are saved together with mutual relating information, the apparatus comprising:

a data acquiring unit which acquires the image data and the parameter by referring to the relating information; and

an image processing reproducing unit which obtains image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the parameter is divided into a plurality of sets and the sets of parameters are separately used depending on a situation of a pixel.

42.   (New) An image data processing apparatus in which a parameter representing contents of a predetermined image processing to be executed on image data and the image data are saved together with mutual relating information, the apparatus comprising:

a data acquiring unit which acquires the image data and the parameter by referring to the relating information; and

an image processing reproducing unit which obtains image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the data saving unit can partition a storage region as a hierarchical structure and the image data and the parameter are divided with the hierarchical structure.

43.   (New) An image data processing apparatus in which a parameter representing contents of a predetermined image processing to be executed on image data and the image data are saved together with mutual relating information, the apparatus comprising:

a data acquiring unit which acquires the image data and the parameter by referring to the relating information; and

an image processing reproducing unit which obtains image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the data saving unit relates and saves thumb nail data of the image data together with the parameter.

44.   (New) An image data processing apparatus in which a parameter representing contents of a predetermined image processing to be executed on image data and the image data are saved together with mutual relating information, the apparatus comprising:

    a data acquiring unit which acquires the image data and the parameter by referring to the relating information; and

    an image processing reproducing unit which obtains image data subjected to the specified image processing based on the acquired image data and parameter;

    wherein the parameter setting unit sets contents of an image processing based on a result obtained by statistically analyzing the image data.

45.   (New) A medium recording an image data processing program for causing a computer to execute an image processing on image data, comprising:

    , a parameter setting step of setting a parameter representing contents of a predetermined image processing to be executed on image data; and

    a data saving step of saving the image data and the parameter together with relating information;

    wherein the parameter is divided into a plurality of sets and the sets of parameters are separately used depending on a situation of a pixel.

46.   (New) A medium recording an image data processing program for causing a computer to execute an image processing on image data, comprising:

    a parameter setting step of setting a parameter representing contents of a predetermined image processing to be executed on image data; and

    a data saving step of saving the image data and the parameter together with relating information;

    wherein the data saving step utilizes a storage region which can be partitioned as a hierarchical structure and the image data and the parameter are divided with the hierarchical structure.

47. (New) A medium recording an image data processing program for causing a computer to execute an image processing on image data, comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image processing to be executed on image data; and

a data saving step of saving the image data and the parameter together with relating information;

wherein the data saving step relates and saves thumb nail data of the image data together with the parameter.

48. (New) A medium recording an image data processing program for causing a computer to execute an image processing on image data, comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image processing to be executed on image data; and

a data saving step of saving the image data and the parameter together with relating information;

wherein the image data are read and written on a storage device differently from the parameter at the data saving step and the data acquiring step.

49. (New) A medium, recording an image data processing program, for causing a computer to execute an image processing on image data, with a parameter representing contents of a predetermined image processing to be executed on image data and the image data being saved together with mutual relating information, the medium comprising:

a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the parameter is divided into a plurality of sets and the sets of parameters are separately used depending on a situation of a pixel.

50.   (New) A medium, recording an image data processing program, for causing a computer to execute an image processing on image data, with a parameter representing contents of a predetermined image processing to be executed on image data and the image data being saved together with mutual relating information, the medium comprising:

a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the data saving step utilizes a storage region which can be partitioned as a hierarchical structure and the image data and the parameter are divided with the hierarchical structure.

51.   (New) A medium, recording an image data processing program, for causing a computer to execute an image processing on image data, with a parameter representing contents of a predetermined image processing to be executed on image data and the image data being saved together with mutual relating information, the medium comprising:

a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the data saving step relates and saves thumb nail data of the image data together with the parameter.

52.   (New) A medium, recording an image data processing program, for causing a computer to execute an image processing on image data, with a parameter representing contents of a

predetermined image processing to be executed on image data and the image data being saved together with mutual relating information, the medium comprising:

a data acquiring step of acquiring the image data and the parameter by referring to the relating information; and

an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter;

wherein the image data are read and written on a storage device differently from the parameter at the data saving step and the data acquiring step.

53.   (New) An image data processing method in which a parameter representing contents of a predetermined image processing to be executed on image data is set and the image data and the parameter are saved together with relating information; wherein the image data are statistically analyzed and contents of an image processing are set based on a result of the analysis.

54.   (New) An image data processing method in which a parameter representing contents of a predetermined image processing to be executed on image data and the image data are saved together with mutual relating information, and the image data and the parameter are acquired by referring to the relating information, and image data subjected to the specified image processing are obtained based on the acquired image data and parameter; wherein the image data are statistically analyzed and contents of an image processing are set based on a result of the analysis.